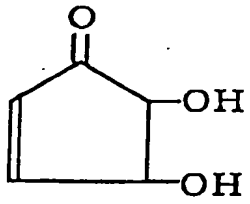
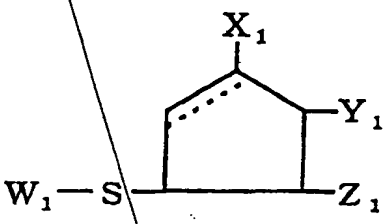


(I);

4-hydroxy-2-cyclopenten-1-one;

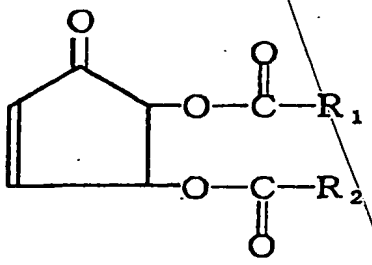
a compound of formula (II):



(II)

wherein a bond in the five-membered ring represented by a broken line means that the five-membered ring may be either a cyclopentene ring having a double bond or a saturated cyclopentane ring; in the case of a cyclopentene ring, X_1 is OH, Y_1 is =O and Z_1 is H; on the other hand, in the case of a cyclopentane ring, X_1 is =O, Y_1 is OH and Z_1 is OH; W_1 is a ~~residue in which a SH group is removed from~~ cysteine or a peptide containing cysteine;

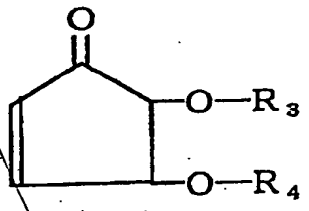
a compound of formula (III):



(III)

wherein R_1 and R_2 may be the same or different from each other, and are hydrogen, or an aliphatic, aromatic or aromatic aliphatic group;

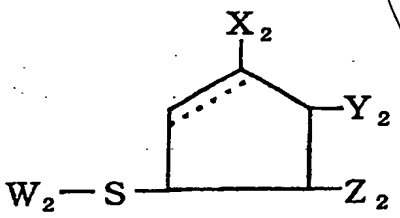
a compound of formula (IV):



(IV)

wherein R_3 and R_4 may be the same or different from each other, and are hydrogen, or an aliphatic, aromatic or aromatic aliphatic group, provided that R_3 and R_4 are not simultaneously H;

a compound of formula (V)

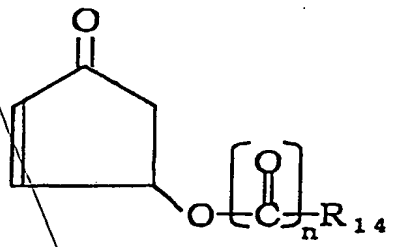


(V)

wherein a bond in the five-membered ring represented by a broken line means that the five-membered ring may be either a cyclopentene ring having a double bond or a saturated cyclopentane ring; in the case of a cyclopentene ring, X_2 is OR_5, Y_2 is =0 and Z_2 is H; on the other hand, in the case of a cyclopentane ring, X_2 is =0, Y_2 is OR_6 and Z_2 is OR_7; R_5 is R_8 or -

(CO)-R_9; R_6 is H, R_{10} or -(CO)-R_{11}; and R_8 is H, R_{12} or -(CO)-R_{13} (wherein R_8, R_9, R_{10}, R_{11}, R_{12} and R_{13} may be the same or different from each other, and are an aliphatic, aromatic or aromatic aliphatic group, and R_9, R_{11} and R_{13} may be H), provided that R_6 and R_7 are not simultaneously H; W_2 is a residue in which a SH group is removed from cysteine or a peptide containing cysteine;

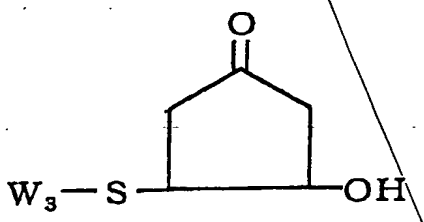
a compound of formula (VI):



(VI)

wherein R_{14} is an aliphatic, aromatic or aromatic aliphatic group, and n is 0 or 1, provided that if n is 0, R_{14} is not H;

a compound of formula (VII):



(VII)

wherein W_3 is a residue in which a SH group is removed from cysteine or a peptide containing cysteine;

4-(9-adeninyl)-2-cyclopenten-1-one; and

4-(9-guaninyl)-2-cyclopenten-1-onex,

wherein the amount of said active ingredient is above 10 μg/kg/day and less than 200 mg/kg/day.